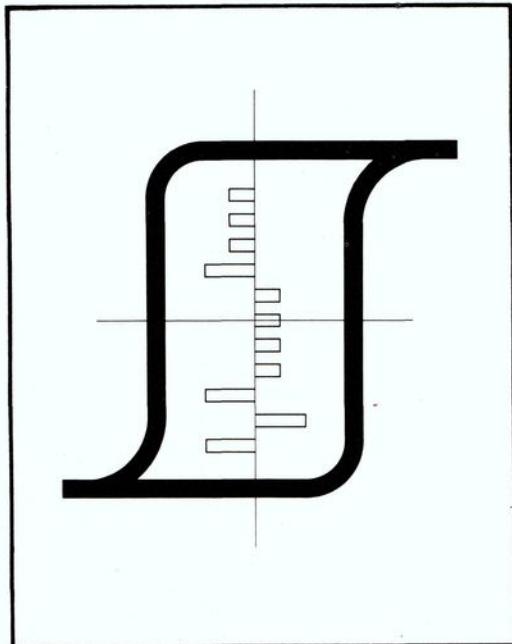




MEMORY PRODUCTS



MECHANICAL SPECIFICATIONS

Outside Diameter 0.022" \pm 0.001"
Inside Diameter 0.014" \pm 0.001"
Thickness 0.006" \pm 0.0005"

Fracture strength: The core will not fracture when subjected to a compressive force of 100 grams applied between parallel plane surfaces normal to the core diameter.

TYPICAL OPERATING CONDITIONS (at 25°C)

Drive Currents

I_r = I_w = 700 milliamperes
 I_{pw} = 350 milliamperes
 t_r = 0.10 microseconds
 t_d = 1.5 microseconds

Output Signals

uV_1 = 40 millivolts
 dV_z = 2.5 millivolts
 t_p = 0.20 microseconds
 t_s = 0.35 microseconds

TEST SPECIFICATIONS (at 25°C)

Drive Current Pulse Sequence

All cores are tested using the pulse sequence shown in Figure 1. Cores are delivered 100% tested to a 0.015 AQL as defined by MIL STD-105D, Inspection Level II.

Test Drive Conditions

I_r = I_w = 640 milliamperes \pm 1%
 I_{pw} = 385 milliamperes \pm 1%
 t_r = 0.10 microseconds
 t_d = 1.5 microseconds

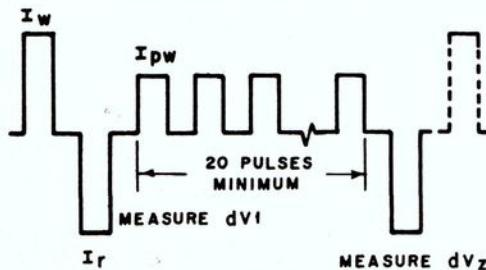


Figure 1.

Test Output Signals

uV_1 = 28 millivolts minimum
 dV_z = 4 millivolts maximum
 t_p = 0.21 \pm .02 microseconds
 t_s = 0.38 microseconds maximum

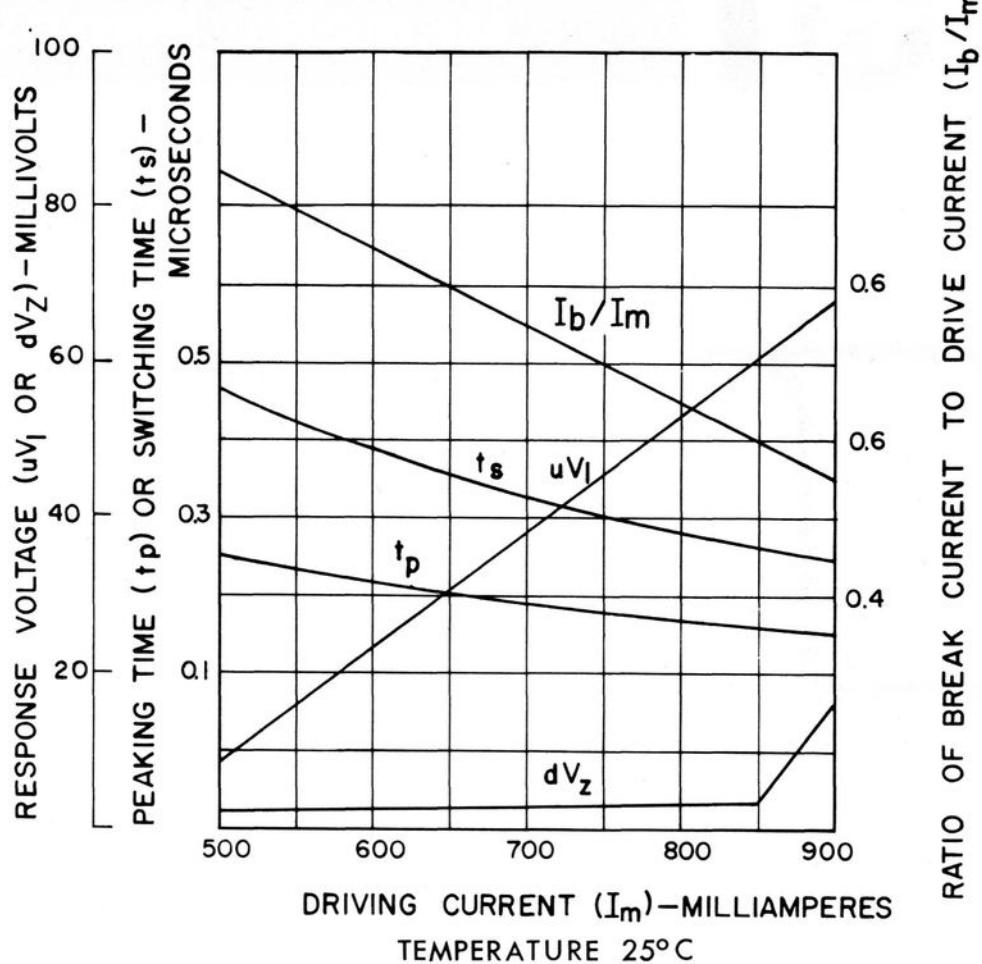


Figure 2. TYPICAL OPERATING CHARACTERISTICS

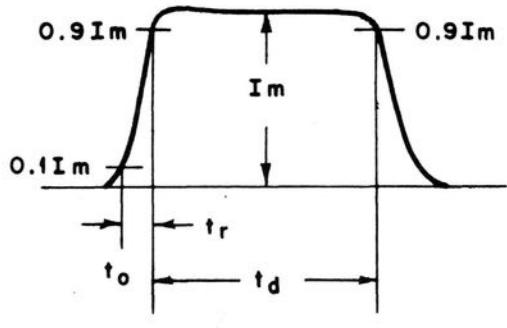


Figure 3. CURRENT PULSE

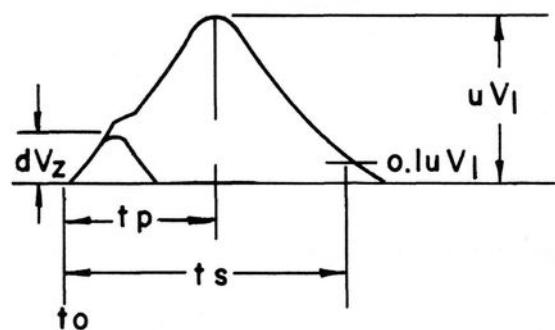


Figure 4. VOLTAGE RESPONSE



Burroughs Corporation

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